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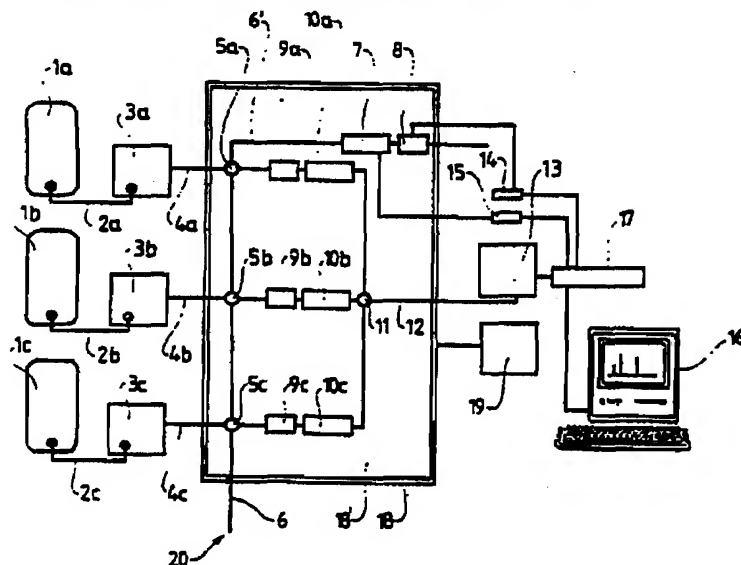
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## (54) Liquide sample analyser

(57) The invention relates to a liquid sample analyser for analysing water samples with regard to their content of elements/metals and/or chlorides and/or sulphate, preferably in connection with the determination of electrical conductivity and/or degree of acidity, comprising at least one mobile phase container (1a - 1c) for reagent agent(s) and means (3a - 3c) for causing said reagent agent(s) to flow in a pipeline circuit together with said liquid sample, and possibly including means (7, 15; 8, 14) for the determination of the electrical conductivity and the degree of acidity of the liquid sample, respectively. Determination of the desired liquid sample parameters are achieved under the same conditions on one liquid sample injection into the analyser. To this end, the liquid sample analyser is based on ion chromatography and comprises ion separating column means (10a - 10c), pipeline and valve means (6, 6'; 5a - 5c) for the supply of liquid sample into the system on one injection (at 20), said valve means (5a - 5c), said ion separating column means (10a - 10c) and, possibly, sensor means (7; 8) associated to the measurement of conductivity and degree of acidity are enclosed within a cabinet or furnace casing (18), in order to maintain the same conditions for those operations performed by the components (5a - 5c, 9a - 9c, 10a - 10c, 7, 8, 11) enclosed within said casing (18).



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